

X560 5.5-inch OTDR Fiber Optic + CCTV IP Tester

· 8K H265 main stream testing, POE power supply, Built-in Wi-Fi module and analyzer

Professional Installations / OTDR & Test Equipment

X560 optical fiber OTDR, IP CCTV and network tester with a 5.5-inch screen. Includes OTDR and the functions of KG-CT-IPC-X560 Pro: 8K H.265 main stream, 48 V/25 W PoE, Wi-Fi with analyzer, Smart IPC, Fast ONVIF, HDMI IN and copper TDR. Same exterior design.



PROBADOR OTDR + CCTV IP

X560 · OTDR integrado · IPS 5,5"

CCTV IP 8K H.265 · PoE 48 V · Wi-Fi

Pantalla Full HD · Analizador de redes

KG-FT-OTDR-IPC-X560

KG-FT-OTDR-IPC-X560

Interface — OPM / Optical Power Meter

Optical power meter; both names in the Interface section refer to the same function. Optional: 850/1300/1310/1490/1550/1625 nm, -70 to +10 dBm.

Interface — RS485 Interface

RS485 bus for PTZ control; more than 30 protocols stated.

Interface — Power Switch / LED Light

Power switch and LED light for field work.

Key features

- Fiber OTDR included: The X560 platform incorporates optical reflectometry for fiber link diagnostics, in addition to its IP CCTV and network functions.
- 8K H.265: H.265 main-stream testing up to 8K at 24 fps. 5.5-inch Full HD IPS screen.
- PoE and power outputs: PoE48V/25W, DC12V/3A and USB5V/2A for field work.
- Integrated Wi-Fi and analyzer: 2.4 GHz, link up to 150 Mbps, signal strength and channel analysis.
- Smart IPC and Fast ONVIF: IP discovery across all network segments, live view, configuration and reports.
- Hikvision and Dahua tools: Batch activation and IP changes. authorized camera and credential adjustments.
- Cabling and NVR tests: Pair TDR, RJ45 wire mapping, network tools and virtual IP camera.
- Field interfaces: RS485, BNC, 3.5 mm audio, Ethernet/PoE, DC12V/3A, USB-C, USB, UTP and microSD. Fiber OTDR interface included.
- Configurable video and modules: CVI/TVI/AHD8MP and HDMI IN4K included in this configuration. Optical functions and other options detailed separately.

Technical specifications

Parameter	Specification
Interface — OPM / Optical Power Meter	Optical power meter; both names in the Interface section refer to the same function. Optional: 850/1300/1310/1490/1550/1625 nm, -70 to +10 dBm.
Interface — RS485 Interface	RS485 bus for PTZ control; more than 30 protocols stated.
Interface — Power Switch / LED Light	Power switch and LED light for field work.
Interface — Analog Input	BNC CVBS analog video input, compatible with PAL/NTSC.
Interface — VFL Red Light Source	Visible red light source for locating fiber breaks, cracks and bends; optional module.
Interface — 3.5mm Audio	3.5 mm audio input, sound testing and single-channel recording.
Interface — PoE Power / Ethernet Port	Auto-sensing RJ45 Ethernet 10/100/1000 Mbps with standard 48 V PoE output, up to 25 W.
Interface — DC12V/3A Output	DC 12 V power output, maximum current 3 A, for temporary camera power.
Interface — Type-C Charging Port	USB-C smart charging port; input 5 V / 2 A.
Interface — USB	USB 5 V / 2 A output; device power and power bank function.
Interface — Wiring Test Interface	Wire-map port: pair sequence, RJ45 crimp status and shielded cable.
Interface — micro SD Card Slot	microSD slot for storing test files.
Interface — OTDR	Optical fiber OTDR included in this KONGIA configuration. Same platform and exterior as KG-CT-IPC-X560 Pro, with additional optical reflectometry functionality. The manufacturer's page does not specify OTDR distance range, wavelengths or dynamic range.
Interface — HDMI IN	HDMI input up to 4K, shown in the interface image and marked optional by the manufacturer; included in the previously defined KONGIA configuration.
KONGIA model	KG-FT-OTDR-IPC-X560
Reference platform	IPC X560 from YEEARM / Guangzhou Yian Electronics
Declared origin	Guangzhou, Guangdong, China; supplier's own factory
Manufacturer's reference MOQ	1 unit
KONGIA configuration	Same platform, exterior and functions as KG-CT-IPC-X560 Pro, with fiber OTDR included; IP CCTV, CVI/TVI/AHD, HDMI IN and copper TDR. OPM, VFL and SDI according to configuration.
Screen	5.5-inch capacitive IPS touchscreen; 1920 × 1080 pixels (Full HD)
Video decoding	H.265+, H.265 and H.264 hardware decoding

Technical specifications

Parameter	Specification
H.265 main stream	Up to 8K at 24 fps
H.264 main stream	Up to 6K at 30 fps
Megapixel reference	The manufacturer also mentions 12 MP cameras. This is not equivalent to 8K resolution: compatibility is determined by codec, profile and stream.
Display	Camera streams are scaled to the physical Full HD screen; the screen is not 8K.
Network port	RJ45 Ethernet 10/100/1000 Mbps, auto-negotiation
Wi-Fi module	Integrated, 2.4 GHz band, stated maximum link speed 150 Mbps; image reception from wireless IP cameras
Wi-Fi analyzer	Network information, signal strength, channel occupancy and channel assessment
Smart IPC	Combines DC12V/PoE48V power and power detection, network information, IP discovery, live view, IP configuration and OSD modification
IP detection	Automatic scanning of all network segments and camera discovery; one-touch image viewing
ONVIF and private protocols	ONVIF with PTZ; stated support for ACTi, Dahua, Hikvision, Uniview, Tiandy and other manufacturers. Protocol customization available from the supplier.
Fast ONVIF	Automatic access and playback with valid credentials, IP address, channel name and parameter changes, test report generation
Hikvision tool	One-touch activation, image testing, changes to user, password, encoding format, IP address and channel name; batch activation, batch video/IP changes and factory reset
Dahua tool	Batch activation, image testing and changes to user, password, IP address and channel name
KONGIA configuration integrations	Hikvision SADP and Dahua ConfigTool; operations subject to firmware, compatibility and permissions
Image control	CVBS video zoom; IP image zoom and pan
Recording and playback	Screenshots, video recording, image browsing and recording playback
Smart IPC status and settings	Supply voltage, link status, quality/IP/port information, batch IP and password changes, bitrate, ping, time and browser access
Network cable TDR	Pair status, length, attenuation, reflectivity, impedance and delay skew
RJ45 sequence test	Pair mapping and wire sequence, crimp status; supports shielded network cable
PoE / PSE	48 V PoE power up to 25 W and power/link detection. The site's PoE/PSE row repeats the sequence test; no additional measurement range is published.

Technical specifications

Parameter	Specification
DC output	12 V / 3 A maximum for temporary camera power
USB output	5 V / 2 A; power bank use for devices
Quick menu	User manual, analog video, update center, file manager, screenshot, LED light and brightness/volume settings
Audio	One 3.5 mm audio input, testing and recording
Virtual IP camera	IP camera signal simulation for NVR diagnostics and commissioning
Network tools	IP address scanning, ping, link discovery and port flashing to locate cameras and other devices
PTZ control	RS485 bus; more than 30 protocols stated
CVBS video	PAL/NTSC BNC input; image viewing and zoom
AHD/CVI/TVI coaxial video	AUTO HD with automatic recognition, camera images up to 8 MP, view/PTZ control and menu access. Marked optional on the website; included in this KONGIA configuration.
HDMI IN	One HDMI input with resolution up to 4K. Marked optional on the website; included in this KONGIA configuration.
Cable tracing (optional)	Multiplexed tracing and sequence testing; after locating the cable with the probe, connect it to the UTP port to identify straight-through, crossover or other wiring states
Live-wire detection (optional)	Published range AC 12–1000 V, 50/60 Hz; audible and visual alarm. The supplier declares CAT III 1000 V / CAT IV 600 V and CE for this option; these do not constitute verified certification for this SKU.
OPM / Optical Power Meter (optional)	Wavelengths 850, 1300, 1310, 1490, 1550 and 1625 nm; power range –70 to +10 dBm
VFL (optional)	Visible red light for locating fiber breaks, cracks, bends and other abnormalities
Break-point TDR (optional)	Open-circuit location on BNC, network or telephone cable; stated maximum range 3 km. Does not support short-circuit length detection. Different from the integrated pair TDR.
Fiber OTDR	Optical fiber OTDR included in this KONGIA configuration. Same platform and exterior as KG-CT-IPC-X560 Pro, with additional optical reflectometry functionality. The manufacturer's page does not specify OTDR distance range, wavelengths or dynamic range.
External charging	USB Type-C, smart charging 5 V / 2 A
Published battery — section A	Lithium polymer 7.4 V / 3200 mAh; approximately 4 h charging; up to 7 h of normal use

Technical specifications

Parameter	Specification
Published battery — section B	Lithium 7.4 V / 2600 mAh; approximately 3 h charging; up to 5 h of normal use
Battery and runtime note	The same page publishes both configurations above; the supplied unit's capacity and runtime must be specified in the quotation. Neither is presented as confirmed.
Languages and operation	Capacitive touchscreen; more than 10 languages, including English, Spanish, Korean, Japanese, Russian and Polish
Auto sleep	Disabled or adjustable from 5–30 minutes
Operating temperature	–10 °C to +50 °C
Operating humidity	30 %–90 %
Dimensions of the unit shown	183 × 110 × 40 mm; match the attached drawing and the final section of the website
Reference weight of the unit shown	Approx. 0.42 kg according to the supplier's final section; confirm delivery configuration
Other dimensions on the website	An earlier section lists 155 × 90 × 32 mm / 0.30 kg; this does not match the attached drawing and is not used as the dimension for this SKU.
Color	Red with black side protectors
KONGIA warranty	3 years
Supply	Handheld unit; charger, cables, case and modules/accessories according to the quotation. Cameras shown in illustrations are not included.

Applications

Optical fiber diagnostics with included OTDR

Optical reflectometry for testing fiber links.

IP CCTV installation and maintenance

Automatic discovery, batch activation, configuration, live view and recording.

Network and copper diagnostics

TDR, RJ45 wire mapping, ping, link discovery and Wi-Fi analysis.

Field power

Camera testing using PoE48V/25W, DC12V/3A or USB5V/2A subject to compatibility.

Video tests

CVBS, CVI/TVI/AHD8MP and HDMI IN4K.

Packaging & contents

KG-FT-OTDR-IPC-X560 handheld unit with OTDR functionality included. Same platform and exterior as KG-CT-IPC-X560 Pro. Charger, cables, case, battery and accessories according to the delivery configuration. OPM, VFL and SDI according to the quotation. External cameras not included.

Warranty

KONGIA 3-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant